

OIPE

DATE: 07/30/2002

TIME: 14:33:49

Output Set: N:\CRF3\07302002\I820788A.raw

4 <110> APPLICANT: SHAO, Wei et al
6 <120> TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
7 PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
8 DRUG-METABOLIZING PROTEINS,
9 AND USES THEREOF
12 <130> FILE REFERENCE: CL001207
14 <140> CURRENT APPLICATION NUMBER: 09/820,788A
15 <141> CURRENT FILING DATE: 2001-03-30
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0

**Does Not Comply
Corrected Diskette Needed:**

```

302 <210> SEQ ID NO: 4
303 <211> LENGTH: 497
304 <212> TYPE: PRT
305 <213> ORGANISM: Human
307 <400> SEQUENCE: 4
308 Met Gly Leu Glu Ala Leu Val Pro Leu Ala Val Ile Val Ala Ile Phe
309      1                      5                      10                      15
310 Leu Leu Leu Val Asp Leu Met His Arg Arg Gln Arg Trp Ala Ala Arg
311      20                      25                      30
312 Tyr Pro Pro Gly Pro Leu Pro Leu Pro Gly Leu Gly Asn Leu Leu His
313      35                      40                      45
314 Val Asp Phe Gln Asn Thr Pro Tyr Cys Phe Asp Gln Leu Arg Arg Arg
315      50                      55                      60
316 Phe Gly Asp Val Phe Ser Leu Gln Leu Ala Trp Thr Pro Val Val Val
317      65                      70                      75                      80
318 Leu Asn Gly Leu Ala Ala Val Arg Glu Ala Leu Val Thr His Gly Glu
319      85                      90                      95
320 Asp Thr Ala Asp Arg Pro Pro Val Pro Ile Thr Gln Ile Leu Gly Phe
321      100                     105                     110
322 Gly Pro Arg Ser Gln Gly Val Phe Leu Ala Arg Tyr Gly Pro Ala Trp
323      115                     120                     125
324 Arg Glu Gln Arg Arg Phe Ser Val Ser Thr Leu Arg Asn Leu Gly Leu
325      130                     135                     140
326 Gly Lys Lys Ser Leu Glu Gln Trp Val Thr Glu Glu Ala Ala Cys Leu
327      145                     150                     155                     160
328 Cys Ala Ala Phe Ala Asn His Ser Gly Arg Pro Phe Arg Pro Asn Gly
329      165                     170                     175
330 Leu Leu Asp Lys Ala Val Ser Asn Val Ile Ala Ser Leu Thr Cys Gly
331      180                     185                     190

```

RAW SEQUENCE LISTING

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Input Set : A:\Seqlist.txt

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```

332 Arg Arg Phe Glu Tyr Asp Asp Pro Arg Phe Leu Arg Leu Leu Asp Leu
333      195      200      205
334 Ala Gln Glu Gly Leu Lys Glu Glu Ser Gly Phe Leu Arg Glu Val Leu
335      210      215      220
336 Asn Ala Val Pro Val Leu His Ile Pro Ala Leu Ala Gly Lys Val
337 225      230      235      240
338 Leu Arg Phe Gln Lys Ala Phe Leu Thr Gln Leu Asp Glu Leu Leu Thr
339      245      250      255
340 Glu His Arg Met Thr Trp Asp Pro Ala Gln Pro Pro Arg Asp Leu Thr
341      260      265      270
342 Glu Ala Phe Leu Ala Glu Met Glu Lys Ala Lys Gly Asn Pro Glu Ser
343      275      280      285
344 Ser Phe Asn Asp Glu Asn Leu Arg Ile Val Val Ala Asp Leu Phe Ser
345      290      295      300
346 Ala Gly Met Val Thr Thr Ser Thr Thr Leu Ala Trp Gly Leu Leu Leu
347 305      310      315      320
348 Met Ile Leu His Pro Asp Val Gln Arg Arg Val Gln Gln Glu Ile Asp
349      325      330      335
350 Asp Val Ile Gly Gln Val Arg Arg Pro Glu Met Gly Asp Gln Ala His
351      340      345      350
352 Met Pro Tyr Thr Thr Ala Val Ile His Glu Val Gln Arg Phe Gly Asp
353      355      360      365
354 Ile Val Pro Leu Gly Val Thr His Met Thr Ser Arg Asp Ile Glu Val
355      370      375      380
356 Gln Gly Phe Arg Ile Pro Lys Gly Thr Thr Leu Ile Thr Asn Leu Ser
357 385      390      395      400
358 Ser Val Leu Lys Asp Glu Ala Val Trp Glu Lys Pro Phe Arg Phe His
359      405      410      415
360 Pro Glu His Phe Leu Asp Ala Gln Gly His Phe Val Lys Pro Glu Ala
361      420      425      430
362 Phe Leu Pro Phe Ser Ala Gly Arg Arg Ala Cys Leu Gly Glu Pro Leu
363      435      440      445
364 Ala Arg Met Glu Leu Phe Leu Phe Phe Thr Ser Leu Leu Gln His Phe
365      450      455      460
366 Ser Phe Ser Val Pro Thr Gly Gln Pro Arg Pro Ser His His Gly Val
367 465      470      475      480
368 Phe Ala Phe Leu Val Ser Pro Ser Pro Tyr Glu Leu Cys Ala Val Pro
369      485      490      495
370 Arg
E--> 376 7

```

BEST AVAILABLE COPY

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/820,788A

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Input Set : A:\Seqlist.txt

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L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:9180
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:9240
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:9300
L:376 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4

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